

a power source operatively connected to effect movement of said movable member to thereby compress gas drawn into said compression chamber through said suction inlet;

a valve provided [adjacent said suction inlet] in the suction gas flow path to said compression mechanism, said valve being operable between open and closed positions to cyclically allow and prevent flow of suction gas into said compression chamber; and

control apparatus for actuating said valve between said open and closed positions, said control apparatus being operative to cycle said valve such that its cycle time is substantially smaller than the time constant of the load on said compressor.

REMARKS

The Examiner has rejected claims 1-13 and 17-29 under 35 U.S.C. 102 as being anticipated by Bass. Reconsideration and withdrawal of this basis of rejection is respectfully requested in view of the following remarks. It is noted that while applicant's attorney believes claim 1 distinguishes over the cited references as pending, it has been amended herein to clarify the positioning of the valve member.

Claims 1 and 17 define the subject invention as including a valve within the suction inlet passage (claim 17) or in the suction gas flow path to the compressor (claim 1) which is operable between an open and closed position to selectively allow or prevent flow of suction gas into the compression chamber. A control apparatus is also recited which operates to cycle the valve at a cycle time that is substantially smaller than the time constant of the load on the compressor. This arrangement provides a unique way of controlling the capacity of the compressor which enables the compressor to rapidly respond to changes in system loading whereby a significantly tighter control of temperature can be maintained as